Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . . " line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . . ," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

- 3. Produced and Consumed Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.
- 4. Contract Work Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract for commission should be explained.
- should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under control of the commission should be exclude.

 5. Resilia licitaing Machine Text 3 bastemblies and Knockdowns Cost for exclude bought and sold or transferred for nothing the stablishments of your company cold it but further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

		Ma	Census material	Consumption of purchased materials and of materials received from other establishments of your company			
_				code	Cost, including deliver cost (freight-in)		
oly ou: I				571	574	(E)	
_	1		(A)	(B)		Thou- sands	
	FLUID POWER PRODUCTS	Pumps, motors	, and hydrostatic transmissions	359412 4	\$	 	
	(Hydraulic and pneumatic)	Cylinders and r	otary actuators	359301 9		 	
:	3	Filters		356921 7		 	
	4	Hose or tube fit	tings and assemblies	349261 8		 	
	5	Valves		349271 7		 	
	FABRICATED METAL PRODUCTS	Bolts, nuts, scre	ews, washers, and screw machine products	345001 2		 	
	(Except forgings)	Other fabricated	d metal products, except fluid power products	340078 5		 	
	8 Forgings			346000 3		 	
	CASTINGS (Rough and semifinished)	Iron and steel		332001 7		 	
1		Nonferrous cas	tings	336010 4		 	l I
1	Shapes and Forms (Except	STEEL	Bars, bar shapes, and plates	331007 5		 	
1.	castings, forgings, and fabricated		Sheet and strip	331022 4		 	
1:	metal		Structural shapes	331071 1			
1	4		All other	331091 9		1 	

lt	Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued												
۷٥.		Ma	terials, parts, and supplies		Census material code	Consumption of purchased materials and of materials received from other establishments of your company Cost, including delivery cost (freight-in)							
Line No			(8)		571	574	(E) I I Thoụ-	I I					
15	Nonferrous sha	noo and forms	(A)		(B)	Millions \$	sands 	Dollars					
16	Electric	FRACTIONAL HORSEPOWER	Timing motors, synchronous and subsynchronous	10	362110 9	Ψ	 						
17	Generators	ELECTRIC MOTORS (Less than 1 horsepower)	Other fractional horsepower electric motors (less	r fractional horsepower electric motors (less than 1 epower) (excluding timing motors)			 						
18			362115 8 362120 8										
			ower motors and generators (1 horsepower and la n, and control equipment	iigei/	360101 0		<u> </u> 	<u> </u> 					
		trial capacitors, re	362001 0		 								
			362520 9		 								
			king machinery (except programmable) etalworking machinery		362521 7		<u> </u> 	<u> </u> 					
	BEARINGS		conversing maximistry		356218 8		 						
	(Including both mounted and unmounted				3332.13.3		 						
24	bearings)	Roller			356201 4		 	l					
25	Speed changers	s, gears, and indu	strial high-speed drives		356601 5		 						
26	Wood boxes, pa	allets, skids, and	containers		244021 2		 						
27	Cutting tools fo				354501 9		 						
28	supplies consur	med	omponents, parts, containers, and		970099 8		 	 					
			ling machine tool subassemblies and knockdown	s)			 						
29	TOTAL Sum of lir	nes 1–28 should e	qual item 10, line a			\$	 	 					
lt	tem 18A. INS	TRUCTIONS AN	D INQUIRY FOR COMPANIES ENGAGED IN	INST	ALLATION (OF	R ERECTION	N) OF						
	It is rece repo	preferable that yo	EIR OWN MANUFACTURE ou report the value of shipments for individual property and erection. The installation and erection recent item 18B. In order to evaluate the reporting for	ipts (i	f any) should be)							
				Key 591	5512 Mark (X) i	n appropriate	boxes						
1	a. Do the value cost of insta	of shipments f llation or erecti	gures for individual products include the on of the product?		1 ☐ Yes 2 ☐ No	o 3 Don	t know						
ı		e estimate the to	1 Under \$50,000 2 U\$50,000–\$499										
2	erect the pro	oyees of this mandate of your control of the seem of your control of the seem	1 ☐ Yes 2 ☐ No	o 3□Don'	t know								
3	plant) erect of If "Yes," do not Payments mad reported as a	or install the prost include this labeled by this established to the contract with the prost of the contract with the prost of contract with the prost of the pro	r force (not attached to this manufacturing ducts for your establishment?	595	1□Yes 2□No	o 3□Don¹	't know						
				_									

Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 INSTRUCTIONS

1. General – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

 Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

- 3. Contract Work Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.
- 4. Resales Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."
- Machine Tool Subassemblies and Knockdowns –
 Report the sale of purchased machine tool subassemblies
 and knockdowns under Census product code 99989 00 6,
 "Resales," (line 156).
- 6. Detailed Data Reported Elsewhere Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form. For survey item codes, see paragraph 4, "comparability," of CIR Instruction Manual.

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.

				Products shipp	ed and othe	r recei	pts
ON OG:	;	Products and services *Item corresponds to products reported on Current Industrial Reports	Census product code	Quantity	Value, f.	o.b. pl E)	ant
2		·	581	583 (Number)		Thou-	l Dollars
		(A)	(B)	(D)	Willions	Julius	Donars
	machines (excluded) of item codes 11	(excluding machining centers) and drilling ding machining centers) (corresponds to the sum 10–1265 as reported on CIR Form MQ35W, achinery, for 1997) (3541D) *	3541D 00 2		\$	 	
		chines (corresponds to item code 1991 as Form MQ35W, Metalworking Machinery, for	35413 00 4			 	
	gear-tooth grindi (corresponds to t	ishing; buffing, honing, and lapping machines (except ng, lapping, polishing, and buffing machines) the sum of item codes 2010–2740 as reported on CIR letalworking Machinery, for 1997) (35414)*	35414 00 2				
	(corresponds to t	nachines, numerically and non-numerically controlled) the sum of item codes 2801–2811 as reported on CIR letalworking Machinery, for 1997) (35415) *	35415 00 9				
	the sum of item	e (excluding machining centers) (corresponds to codes 3309–3675 as reported on CIR Form orking Machinery, for 1997) (35416) *	35416 00 7				
	(corresponds to t	rs (multifunction numerically controlled machines) the sum of item codes 3721–3736 as reported on CIR letalworking Machinery, for 1997) (3541A)*	3541A 00 8				
		chines (corresponds to the sum of item codes corted on CIR Form MQ35W, Metalworking Machinery,	3541B 00 6				
	machining center laboratories, etc. machines, spark centering, key se counter-sinking, threading, planer	ng machine tools, n.e.c. (except station-type and rs and those designed primarily for home workshops,), including broaching machines, sawing and cut-off erosion, ultrasonic, and electrolytic machines, rifling, ating, pointing, chamfering, facing, shaving, grooving, burring, reaming, screw and nut slotting machines, rs, and shapers (corresponds to the sum of item codes corted on CIR Form MQ35W, Metalworking Machinery,	3541C 00 4				
	MACHINE TOOLS	Drilling machines	35418 11 0			 	
1	DESIGNED PRIMARILY FOR HOME	Grinding and polishing machines (including crankshaft regrinding and valve grinding machines)	35418 31 8				
1	WORKSHOPS, LABORATORIES, GARAGES,	Lathes	35418 51 6				
1	ETC. (Metalworking	Sawing and cut-off machines	35418 71 4			 	
	and primarily metalworking only) (35418)	Other metalworking (or primarily metalworking) types (including automotive cylinder reboring machines) – Specify kind					
1	3 (35418)		35418 91 2				

It	em 18B. PROD	UCTS AND SERVICES OF THIS ESTABLISHMENT D	URING 1997	7 – Continued			
e No.	,	Products and services *Item corresponds to products reported on Current Industrial Reports	Census product code	Products shipp Quantity	Value, f		
Line		(A)	(B)	583 (Number) (D)	584 Millions	Thou- sands	
14	PARTS FOR METAL CUTTING TYPE MACHINE TOOLS, SOLD SEPARATELY, AND REBUILT	Parts for metal cutting machine tools (sold separately) (Parts for metal forming tools should be reported under product code 35424 09, line 19)	35419 11 8	(5)	\$	 	
15	METAL CUTTING TYPE MACHINE TOOLS (35419)	Rebuilt metal cutting type machine tools (Report rebuilt metal forming type machine tools under code 35424 75, line 21)	35419 41 5			 	
16	and bending and the sum of item	earing machines (including power and manual) I forming machines (power only) (corresponds to codes 5009–5270 as reported on CIR Form orking Machinery, for 1997) (35421)*	35421 00 7			 	
17	(corresponds to	esses (except forging and die-stamping presses) the sum of item codes 5409–6305 as reported on CIR letalworking Machinery, for 1997) (35422) *	35422 00 5			 	
	machines, thread machinery, die-c portable types), a elsewhere classif as reported on C	ning machine tools, including forging and die-stamping d-rolling machinery, metal container-making asting machines, riveting machines (except handheld and all other metal forming type machine tools, not fied (corresponds to the sum of item codes 6405–7173 IR Form MQ35W, Metalworking Machinery, for 1997)				 	
18			35423 00 3			[İ
19	PARTS FOR METAL FORMING MACHINE	Parts for die-casting machines	35424 09 2			 	
	TOOLS, SOLD SEPARATELY,					 	
20	AND REBUILT METAL FORMING MACHINE	Other parts for metal forming machine tools	35424 10 0			 	
21	TOOLS (35424)	Rebuilt metal forming machine tools	35424 75 3			[[
22	HOT ROLLING MILL MACHINERY	Blooming, slabbing, plate rolling (except tin plate), and hot strip mill machinery	35471 15 0			 	
	(Including combination hot and cold) (Except tube	Other hot rolling mill machinery and equipment – Specify kind				 	
23	rollina)		35471 18 4			[[[[
24	COLD ROLLING MILL MACHINERY	Tandem roll mills	35472 21 6			 	
25	(35472)	Single stand roll mills	35472 23 2			! [
		Other cold rolling mill machinery and equipment – Specify kind				 	
26			35472 26 5			l I	
27	OTHER ROLLING MILL MACHINERY	Tube mill machinery	35473 35 4			 	
28	(Including tube mill machinery)	Processing lines (including pickling and cleaning, tinning, galvanizing, etc.), scarfing units, and press feed lines	35473 45 3			 	
	AND PARTS FOR ALL ROLLING MILL MACHINERY	Other rolling mill machinery and equipment (except parts) – Specify kind				 	
29	(35473)		35473 49 5		<u> </u>	! 	
30		Machined rolls for rolling mills	35473 51 1				
31		Parts (except rolls) for rolling mill machinery, sold separately	35473 52 9			 	

CONTINUE WITH ITEM 18B ON PAGE 9

Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued

L	Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued												
					Census	Products shipp	ped and other receipts						
2		Product	s and services		product code	Quantity	Value, f.o.b. plant (E)						
oly ou:	- D				581	583 (Number)	584	Thou-	I I				
_	1		(A)		(B)	(D)	Millions	sands	Dollars				
3	ASSEMBLY MACHINES (35492)	Rotary transfer	(dial or rotary, tru	innion, center column)	35492 11 5		\$		1				
3		In-line transfer,	synchronous		35492 15 6			I I	 				
3	4	In-line transfer,	nonsynchronous		35492 17 2			 					
		Special-purpose	and other types	– Specify kind				i I					
3	5				35492 13 1			 	 				
3	6	Parts and attach separately)	ments for assem	bly machines (sold	35492 18 0			 					
3	7 Industrial robot	s, attachments, a	nd parts		35699 09 9			I I					
3	Other Metal- working Machinery	MACHINES FOR WEAVING AND OTHER	Draw benches a machines (exce	nd wiredrawing ot dies)	35495 01 9								
3	(Except	WIRE FABRICATING	Wire rope or wi	re cable making	35495 02 7			 					
	ultrasonic) (35495)	AND WIREDRAWING MACHINES	Other machines Specify kind	for working wire –									
4	0	AND DRAW BENCHES			35495 03 5								
		COIL HANDLING						I I					
4	1	(CONVERSION OR STRAIGHT-	Cut-to-length lin	ies	35495 43 1			 					
		ENING)	01		05405 45 0			i I					
4		Other metalwor	Slitting lines king machinery –	Specify kind	35495 45 6			I	1				
			3 ,										
4	3				35495 92 8			İ					
4		machinery (sold	ments for other metalworking separately)		35495 95 1			 					
4	Metal-treating of and cutting		il base) for nitrid	ing, pickling, drawing,	28995 59 5			i I					
4	Nonmetallic Abrasive Products	ARTIFICIAL AND NATURAL BONDED	Vitrified bond		32916 31 4			 					
4	7 (Including diamond	ABRASIVES (Including	Resinoid and sh	ellac bond – reinforced	32916 37 1			1					
4	abrasives) (32916)	grinding wheels, sticks, stones, hones,	Resinoid and sh nonreinforced	ellac bond –	32916 42 1			 					
4	9	balls, and bricks; excluding	Rubber bond		32916 44 7			 					
5	0	refractory bricks, floor and stair brick)	Diamond wheels	Metal bond	32916 72 8			 					
5	1	and Stail Direk)		Other bond	32916 74 4								
5	2		Cubic boron niti	ride wheels, all bonds	32916 76 9			 					
			Other bonded a	brasives – <i>Specify kind</i>				1					
5	(Continued on next page)				32916 65 2			İ					

Page 10

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued Products shipped and other receipts Census Unit of Products and services Value, f.o.b. plant product measure *Item corresponds to products reported for (E) code on Current Industrial Reports Quantity Line quantities 581 583 584 Thou-Millions sands | Dollars (A) (B) (C) (D) Other artificial and natural nonmetallic abrasive products (except coated abrasives; including grinding, lapping, buffing compounds, crude lump forms, etc.) – Nonmetallic Abrasive **Products** (Including Specify kind diamond abrasives) (32916) 32916 98 3 \$ Continued ROLLS (NOT MA-CHINED) Gray iron (except ductile) 33219 31 2 Short tons 55 FOR ROLLING Carbon steel (excluding investment) 33252 15 6 MILLS Other alloy steel (except carbon and high alloy, 57 excluding investment) 33255 55 5 Short tons Gray iron castings, except ductile iron (except pressure pipe, soil pipe, rolls for rolling mills, automotive, construction, and utility) 33219 98 1 58 Short tons INDUS-TRIAL PATTERNS (WOOD, **59** METAL, Foundry patterns 35430 11 5 ETC.), (Except shoe patterns) All other industrial patterns (except shoe 60 35430 98 2 patterns) Special Dies and Tools, Die Sets, Jigs, JIGS AND FIXTURES, ALL TYPES Gauging and Less than 1,000 checking 35441 13 8 pounds weight types and Fixtures (35441) 1,000 pounds weight 62 or more 35441 15 3 Less than 1,000 All other jigs and fixtures pounds weight Work holding fixtures (holding, (corresponds to item code 8004 as positioning, layout, reported on CIR Form MQ35W, assembly, etc.) Metalworking Machinery, for 1997)* 35441 16 1 63 Other than work 64 holding fixtures 35441 14 6 1,000 pounds 65 weight or more 35441 18 7 Standard catalog components and parts for jigs and fixtures (including 66 drill bushings) 35441 19 5 DIES, METAL 35441 21 1 67 Press brake dies WORKING ONLY 500 pounds weight or **Forming** 68 and drawing 35441 22 9 less 501 to 3,000 pounds weight dies 69 35441 24 5 More than 3,000 pounds weight 35441 26 0 Stamping Progressive-type dies: dies (In-cluding lamination High-speed steel 35441 27 8 and blanking dies) **72** Carbide 35441 28 6 73 Other 35441 25 2 All other stamping-(Continued (Continued type dies (punch, trim, on next notch, pierce page) page) perforate, etc.) 35441 23 7

Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued

					Census	Unit of	Products shipp	ed and oth	er rece	ipts				
No.	*	Item corresp	lucts and ser	ducts reported	product	measure	Quantity	Value, f	.o.b. pl (E)	ant				
Line No.		on Curre	ent Industrial	Reports	581	quantities		584	Thou-					
_	Chasial	DIES,	(A)		(B)	(C)	(D)	Millions	sands	Dollars				
	Special Dies and Tools,	METAL- WORKING	Forging dies (Including											
75	Die Sets, Jigs, and	ONLY – Continued	cold	Open-die type	35441 33 6			\$						
76	Fixtures (35441) –		and heading	Closed-die type	35441 35 1				 					
	Continued		Extrusion	,,	33441 33 1									
77			and wire- drawing and	High-speed steel	35441 43 5									
78			straight- ening dies	Carbide	35441 45 0				1					
79				Ceramic and ceramic composite	35441 42 7				1	-				
80			All other	Other	35441 44 3				 	<u> </u>				
81			dies	High-speed steel	35441 46 8				[
82					Carbide	35441 47 6				 				
83				Other	35441 48 4				 					
84							Standard and	Die sets	35441 73 2				 	
			special compo- nents and	Standard punches:										
85			parts for dies	• Steel	35441 75 7				 					
86				Carbide	35441 77 3				 	<u> </u>				
87				Other	35441 78 1									
88		Industrial m	nodels and pr	ototypes	35441 83 1				 					
89		Other speci	ally designed	l tooling	35441 89 8				 					
90	SMALL CUTTING TOOLS	Broaches (e bars)	excluding hol	ders and burnishing	35451 14 5				 					
91	FOR MACHINE	Gear shape	r cutters and	gear shaving cutters	35451 47 5				 	 				
92	TOOLS AND METAL	High-speed end mills ar	steel milling nd inserted b	cutters, n.e.c. (except lade cutters)	35451 62 4				[[[
	WORKING MACHIN-	Chasers, single edge thread-cutting, circular							 					
	ERY	onto holder	s, die heads,	for mounting into or and tap bodies tap bodies, and chaser					1 					
93		holders)			35451 75 6				 					
		metalworkir	ng machinery	s for machine tools and y – Specify kind					1					
94					35451 00 4				 					
95	WORK HOLDING	Rotary table controlled	es, including	numerically	35454 46 1				 					
	DEVICES	(correspond	ds to item co	excluding rotary tables de 8006 as reported on					. —— ! !					
96		for 1997)*	idsovv, ivieta	lworking Machinery,	35454 47 9				l 					
				esponds to the sum , 8005 as reported					 					
97			n MQ35W, Mo		35454 57 8				 					
98				or vises such as	35454 58 6				 					

					Census	Unit		1100	ucto silipi	value,		
Š.		Produ	ucts and serv	rices	product code	meas foi	r	0	uantity	value,	(E)	iant
Line No.					581	quant	ities	583	adminy	584	Thou-	
_	Δ	ARC		(B)	(C)		(D)	Millions	sands	Dollars	
99	Arc Welding Ma-	ARC- WELDING MACHINES	Alternating arc welders	current transformer	35481 14 2					\$	1	
	chines, Com- ponents, and	Direct current arc welders	Rectifier-type direct current arc welder except stud welders, fully or partly							 		
100	Acces- sories, (Except			automatic Rectifier-type direct current arc welder	35481 02 7						1	
101	Elec- trodes; exclud- ing stud			except stud welders, fully or partly automatic	35481 01 9						 	
102	welding equip- ment)			Generators only	35481 03 5						<u> </u>	
103	(35481)			Complete units only	35481 15 9						1	
104		COM-		rs for arc welders	35481 05 0						 	
105		PONENTS AND ACCES- SORIES	drive appara	nd semiautomatic wire atus and related	35481 07 6						 	
106		FOR ARC WELDING MACHINES (Except	welding tord and related	nd semiautomatic ches, guns and cables, accessories cose automatic welding	35481 09 2						 	
107		electrode)	apparatus		35481 08 4						1	
108			(including e ground clan cables sold	ing accessories lectrode holders, nps, cable connectors, separately, etc.)	35481 11 8						 	
109			equipment (head and ta	and manipulating (including turn rolls, il stock, weld head rs, seamers, moving tc.)	35481 12 6						 	
110			accessories	mponents and for arc welding excluding welding rods des)	35481 18 3							
111	Arc Welding	STICK ELEC-	Hard facing		35482 09 0	1					I I	1
112	Elec- trodes, Metal	TRODES (Including solid, cored,	Other Than Hard	Mild steel	35482 03 3						1	
113	(35482)	covered, and bare electrodes)	Facing	Low alloy steel	35482 04 1						 	
114				Stainless steel (chromium 4 percent or more)	35482 05 8						 	
115				Nonferrous	35482 06 6						 	
116		COILED AND SPOOLED	Hard facing		35482 17 3	Thous	and				 	
117		CONTIN- UOUS WIRE ELEC- TRODES	Other Than Hard Facing	Mild steel	35482 11 6	pounds	nds				 	
118		FOR AUTO- MATIC ARC WELDING AND INERT GAS SHIELDED ARC WELDING		• Low alloy steel	35482 12 4						 	
119				Stainless steel (chromium 4 percent or more)	35482 13 2						 	
120		(Including electrodes for submerged		Nonferrous	35482 14 0						 	
121		arc welding, bare wire)		Cored wire	35482 18 1						 	

Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued

				Census	Unit	t of	Products ship	ped and oth	er recei	pts
Line No.		Produ	ucts and services	product code	meas fo quan	sure	Quantity	Value, 1	(E)	1
=			(A)	(B)	(0	C)	(D)	Millions	Thou- sands	Dollars
122	RESIS- TANCE WELDERS,	Spot and pr	ojection welders – single electrode	35483 05 6	1		. ,	\$	1	
123	COMPO- NENTS, SORIES,	Spot and pr	ojection welders – multielectrode	35483 06 4					i <u>1</u>	<u> </u>
124	AND ELEC-	Seam welde	ers	35483 07 2					1	
	TRODES (35483)	Other resist and butt we	ance welders (including flash, upset, lders) – <i>Specify kind</i>		Num	nber 			 	
125				35483 08 0					 	
126		Resistance	welder transformers (sold separately)	35483 09 8	\	,			 	
127			welder electrodes	35483 11 4	Thou pou				i 1	
			welder components and acessories lectrode holders, etc.) – <i>Specify kind</i>						 	
128	0			35483 19 7						
129	Gas Welding and	torches	cluding welding torches and gas air	35484 01 3	Num	nber			 	
130	Cutting Equip- ment,	portable	chines and carriages, stationary and	35484 02 1		,			1 1	
131	Except Plasma (Including		relding and cutting equipment pressure containers)	35484 03 9					<u> </u>	-
132	parts, attach- ments, and	PARTS, ACCES- SORIES,	Tips	35484 04 7					 	
133	acces- sories) (35484)	ATTACH- MENTS, ADAPTORS ETC.,	Regulators, gas pressure	35484 05 4	Num	nber			 	
134		N.E.C., SOLD SEPAR- ATELY	All other spare parts, accessories, and adaptors (sold separately)	35484 09 6					 	
135	OTHER WELDING	Stud weldin	g equipment	35485 01 0	1				 	
136	EQUIP- MENT, COMPO- NENTS, AND ACCES-	pulse welding electric mad	luding heated gas) and magnetic ng machines and apparatus, n.e.c.; chines and apparatus for hot metals or sintered metal carbides	35485 13 5	Number				 	
137	SORIES	Other weldi friction)	ng equipment, n.e.c. (including	35485 14 3					 	
138	tance, and gas)	partly autor		35485 15 0					 	
139	(35485) (Report arc,	or partly au		35485 16 8					 	
140	resistance, and gas on lines	Soldering e ultrasonic)	quipment (except hand and	35485 07 7		,			<u> </u>	
141	99–134)	welding equ	s and assessories for all other uipment (excluding arc welders, velders, and gas welding and cutting	35485 09 3					 	
142	PLASTICS- WORKING INJEC- TION	500 tons or	less	35593 11 0					 	
	MOLDING MA- CHINES								1 	
143		More than 5 nolds and mo	ld boxes – <i>Specify kind</i>	35593 13 6					 	
144				35442 00 3					 	
145	Receipts for	r machine sh	op job work and job order repair	35995 00 0					1	

CONTINUE WITH ITEM 18B ON PAGE 14

lt	em 18B. Pl	RODUCTS AND SERVICES OF THIS ESTABLIS	SHMENT DU	JRING 1997	' – Continued			
			Census	Unit of	Products shipp	1		
8		Products and services	product code	measure for	Quantity	Value, f	f.o.b. pl (E)	ant
Line No.			581	quantities	583 Quantity	584	Thou-	l
_		(A)	(B)	(C)	(D)	Millions	sands	Dollars
	ALL OTHER PRO- DUCTS MADE IN	Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. Specify unit of measure for quantity.					 	
146	MENT		18			\$	 	
147			26				 	
148			34					
149			42					
150	CON- TRACT WORK	Receipts for work done for others on their own materials	93000 00 8					
		work.					 	
151	MISCELLA- NEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8				 	
152		Receipts for installation (or construction) of products of this establishment	99980 31 0				 	
153		Receipts for research and developmental work	99980 41 9				 	
154		Receipts for repair work	99980 61 7				 	
155		Other miscellaneous receipts	99980 98 9				 	
156	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. (Include the sale of purchased machine tool subassemblies and knockdowns.) The cost of such items should be reported in item 10, line b.	99989 00 6				 	
157	TOTA Sum o	L value of shipments and other receipts of lines 1–156, column (E)	77000 00 8			\$		

CONTINUE WITH ITEM 19 ON PAGE 15

Form MC-3506 Page 15 Census File Number If not shown, please enter your 11-digit Census File Number from the address label on page 1 Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT **INSTRUCTIONS** Report below the quantity of each listed item produced in this establishment and used in 3. Materials used to produce the items specified below should be reported in item 17. manufacturing other products made in this establishment. 4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B. 2. Purchases or receipts of the items specified below 5. Report quantities in the unit of measure specified in should be reported only in item 17. column (D). Quantities produced Was this operation in this Unit of performed at this establishment Census measure Item establishment and used in code for during 1997? manufacturing quantities other products made in this establishment (C) 592 (A) 591 **(B)** (D) 593 (E) Yes No Short 1 2 Ferrous foundries 10017 tons NONFERROUS FOUNDRIES Aluminum 1002 5 1 2 (Except die-casting) 2 1 3 1003 3 Copper Thousand 1 2 1004 1 4 Zinc pounds 2 1 5 Other 1005 8 1006 6 1 🔲 2 Nonferrous die-casting foundries Precision turned products (on screw machines, turning 1 🔲 2 1007 4 centers, and CNC equipment) Items 20 and 21 - Not applicable to this report REMARKS - Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION - This report is substantially accurate and has been prepared in accordance with instructions.

Year

Title

Day

Name of person to contact regarding this report (Print or type)

FROM: Month

666 1

Signature of authorized person

667 1

Name of company

Period covered

Extension

Year

Date

Number

Day

Area code

Address (Number and street, city, State, ZIP Code)

2

Telephone

2

TO: Month